Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	0	((endodontic or (root adj canal)) and (taper near (greater or larger)) and shorter).clm.	US-PGPUB	OR	OFF	2006/01/18 13:06



STIC Search Report

STIC Database Tracking Number 176929

TO: Anthony Stashick Location: RND 9a41

Art Unit: 3728

Wednesday, January 18, 2006

Case Serial Number: 08/234290

From: Terry Solomon Location: EIC 3700

RND 8b31

Phone: 272-4240

terrance.solomon@uspto.gov

Search Notes

No current or past litigation found involving US pat. 5897316.

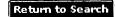
Sources:

Lexis/Nexis Questel-Orbit Courtlink



Patent Search - Number: 5,897,316

No cases found.



(Charges for search still apply)

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234290 (08) 5897316 April 27, 1999

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5897316

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Link to Claims Section

April 27, 1999

Endodontic treatment system

REISSUE: Reissue Application filed Apr. 26, 2001 (O.G. Sep. 4, 2001) Ex. Gp.: 3732; Re. S.N. 09/845,599, (O.G. September 4, 2001) March 29, 2004 - Reissue Application filed Ex. Gp.: 3732; Re. S.N. 10/811,796 (O.G. July 20, 2004)

APPL-NO: 234290 (08)

FILED-DATE: April 28, 1994

GRANTED-DATE: April 27, 1999

LEGAL-REP: Bissell, Henry M.

(C) QUESTEL 1994 QUESTEL.ORBIT (TM) 1998 Selected file: PLUSPAT PLUSPAT - (c) Questel-Orbit, All Rights Reserved. Comprehensive Worldwide Patents database

** SS 1: Results 1 PRT SS 1 MAX 1 LEGALALL

PLUSPAT - @QUESTEL-ORBIT - image Patent Number : US5897316 A 19990427 [US5897316] Title : (A) Endodontic treatment system Inventor(s): (A) BUCHANAN LEONARD STEPHEN (US) Application Nbr : US23429094 19940428 [1994US-0234290] Priority Details : US23429094 19940428 [1994US-0234290] Intl Patent Class : (A) A61C-005/02 EPO ECLA Class : A61C-005/02B1 US Patent Class : ORIGINAL (O): 433102000 Document Type : Corresponding document Citations : USD250544; US-251598; USD283840; US1307446; US3908270; US4231738; US4280808; US4299571; US4332561; US4340364; US44443193; US4518356; US4527560; US4536159; US4538989; US4634378; US4674979; US4836780; US4850867; US4934934; US4971556; US5017138; US5026284; US5125838; US5219284; EP0257961 A; EP0501255 A; FR2597327 A; FR2617704 A; FR2647663

Mani Apical Reamer, Matsutani Seisakusho Co., Ltd. (four pages). Single-Step Engine Reamer, Dental Products Report Jun., 1988 (one page). Publication Stage :

(A) United States patent

A; CH291668 A; CH657981 A

Abstract :

An endodontic system of shaping instruments, irrigation cannulas, filling instruments and materials designed to safely create specific tapers of root canal preparations and to clean, dry, seal, and restore them. The shaping instruments are a series of reamers, files, and handpiece burs, made of stainless steel, nickel-titanium, or other alloys, which impart several different specifically-tapered apertures in root canals. The instruments have one or more safety features to eliminate perforating curved roots, including shorter flute length as the angle of taper increases and variable sharpness along the length of the flute portion, as well as variable flute pitch along the length of the flute portion to maximize cutting efficiency and resistance to breakage, and a rounded tip to eliminate ledging. The hand instruments have a handle designed to optimize use of the instruments in apically directed, rotary cutting motions. The irrigation cannulas, the condensation heat carriers, pluggers, injection needles, and backfillers, and the materials, including drying paper points, filling materials, and restorative post systems, have shapes which match the canal tapers created by the shaping instruments.

1 / 1 LGST - ©EPO

Patent Number :

US5897316 A 19990427 [US5897316]

Application Number :

US23429094 19940428 [1994US-0234290]

Action Taken :

20010904 US/RF-A

REISSUE APPLICATION FILED EFFECTIVE DATE: 20010426

20040720 US/RF-A

REISSUE APPLICATION FILED EFFECTIVE DATE: 20040329

Update Code : 2004-31

1 / 1 CRXX - @CLAIMS/RRX

Patent Number :

5,897,316 A 19990427 [US5897316]

Patent Assignee :

Buchanan, Leonard Stephen

Actions :

20010426 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20010904

REISSUE REQUEST NUMBER: 09/845599

EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3732

Reissue Patent Number:

20040329 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20040720
REISSUE REQUEST NUMBER: 10/811796

EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3732

Reissue Patent Number:

Session finished: 18 JAN 2006 Time 21:19:19 QUESTEL.ORBIT thanks you. Hope to hear from you again soon.